

Title (en)

LOW TEMPERATURE-FLEXIBLE RADIATION-CURABLE UNSATURATED POLYSILOXANE COATINGS FOR FIBER OPTIC APPLICATION.

Title (de)

BEI NIEDRIGEN TEMPERATUREN BIEGSAME STRAHLUNGSHÄRTBARE UNGESÄTTIGTE POLYSILOXANBESCHICHTUNGEN ZUR VERWENDUNG BEI OPTISCHEN FASERN.

Title (fr)

REVETEMENTS DE POLYSILOXANE INSATURE FLEXIBLES A FAIBLE TEMPERATURE ET POLYMERISABLES SOUS L'EFFET DE RADIATION POUR DES APPLICATIONS DANS DES FIBRES OPTIQUES.

Publication

**EP 0113779 A4 19841122 (EN)**

Application

**EP 83902605 A 19830719**

Priority

US 39816182 A 19820719

Abstract (en)

[origin: WO8400424A1] Optical fibers are coated with a radiation-curable liquid, polyethylenically unsaturated coating composition consisting essentially of an organic polysiloxane having from 2 to 6 reactive side chains each of which carry a functional group providing one reactive site which has been reacted to provide a single radiation-curable monoethylenically unsaturated side chain. There are about one such side chain for every 500 to 5,000 units of molecular weight. This provides a prime coating which has a modulus of elasticity at room temperature and at -60°C. below 3000.

IPC 1-7

**G02B 5/14**; **C08F 2/50**; **C08F 30/08**

IPC 8 full level

**C08L 83/04** (2006.01); **C03C 25/10** (2006.01); **C03C 25/24** (2006.01); **C08F 290/00** (2006.01); **C08F 299/00** (2006.01); **C08F 299/08** (2006.01); **C08G 18/61** (2006.01); **C08G 18/81** (2006.01); **C08G 77/388** (2006.01); **C08G 77/392** (2006.01); **C08L 83/08** (2006.01); **C09D 183/04** (2006.01); **G02B 6/44** (2006.01)

CPC (source: EP US)

**C03C 25/106** (2013.01 - EP US); **C08G 18/61** (2013.01 - EP US); **C08G 18/8175** (2013.01 - EP US); **C08G 77/388** (2013.01 - EP US); **C08G 77/392** (2013.01 - EP US); **C08L 83/08** (2013.01 - EP US); **Y10T 428/31612** (2015.04 - EP US)

Citation (search report)

- [Y] FR 2426917 A1 19791221 - NIPPON TELEGRAPH & TELEPHONE [JP]
- [Y] FR 2476634 A1 19810828 - WESTERN ELECTRIC CO [US], et al

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**WO 8400424 A1 19840202**; DE 3369199 D1 19870219; EP 0113779 A1 19840725; EP 0113779 A4 19841122; EP 0113779 B1 19870114; JP H0429619 B2 19920519; JP S59501381 A 19840802; US 4496210 A 19850129

DOCDB simple family (application)

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